

Title (en)  
INVASIVE MEDICAL DEVICE

Title (de)  
INVASIVE MEDIZINISCHE VORRICHTUNG

Title (fr)  
DISPOSITIF MÉDICAL D'ABLATION

Publication  
**EP 3420894 A1 20190102 (EN)**

Application  
**EP 17178340 A 20170628**

Priority  
EP 17178340 A 20170628

Abstract (en)  
An invasive medical device (10) is disclosed comprising a device portion (15) for inserting into a patient, said device portion including a functional module (20); an electrically conductive path (40) extending through the invasive medical device and connecting to the functional module; and a deformable switch (30) within the device portion arranged to alter the electrical impedance of said conductive path as a function of a degree of deformation of the switch, said deformation being caused by a blood parameter of the patient's blood that varies during the cardiac cycle of said patient.

IPC 8 full level  
**A61B 5/0215** (2006.01); **A61B 5/027** (2006.01)

CPC (source: EP US)  
**A61B 5/0215** (2013.01 - EP US); **A61B 5/027** (2013.01 - EP US); **A61B 2560/0214** (2013.01 - US); **A61B 2562/0247** (2013.01 - EP US); **A61M 2025/0058** (2013.01 - EP)

Citation (applicant)  
US 2015065953 A1 20150305 - DUCHARME RICHARD [US], et al

Citation (search report)  
• [AD] US 2015065953 A1 20150305 - DUCHARME RICHARD [US], et al  
• [A] WO 2015109028 A1 20150723 - KAISER DANIEL WALTER [US], et al  
• [A] US 2006064059 A1 20060323 - GELFAND MARK [US], et al

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US2022125454A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3420894 A1 20190102**; CN 110799095 A 20200214; EP 3644848 A1 20200506; EP 3644848 B1 20210113; JP 2020525158 A 20200827; JP 6843276 B2 20210317; US 2021145292 A1 20210520; WO 2019002035 A1 20190103

DOCDB simple family (application)  
**EP 17178340 A 20170628**; CN 201880043458 A 20180620; EP 18733838 A 20180620; EP 2018066348 W 20180620; JP 2019571709 A 20180620; US 201816622151 A 20180620